

Summary for January 28-30 2010

An upper low over the interior Southwest ejected eastward and became absorbed into the strong confluent flow in place over the Eastern United States. A sprawling arctic surface ridge to the north provided sufficiently cold air for overrunning snowfall. The main surface low formed along the thermal boundary close to the northern Gulf Coast and tracked generally eastward and off the southeast Atlantic Coast with limited strengthening. In the east, most model guidance showed a northward QPF trend during the last few days leading up to the event. The heaviest snow fell over central and southern Virginia, and the southern Appalachians where some 12 inch plus totals were reported. Other areas of enhanced snow occurred over northern Arkansas and the Texas panhandle. Freezing rain was most prevalent over portions of Oklahoma, Arkansas and Tennessee where some .50 inch plus totals were measured.